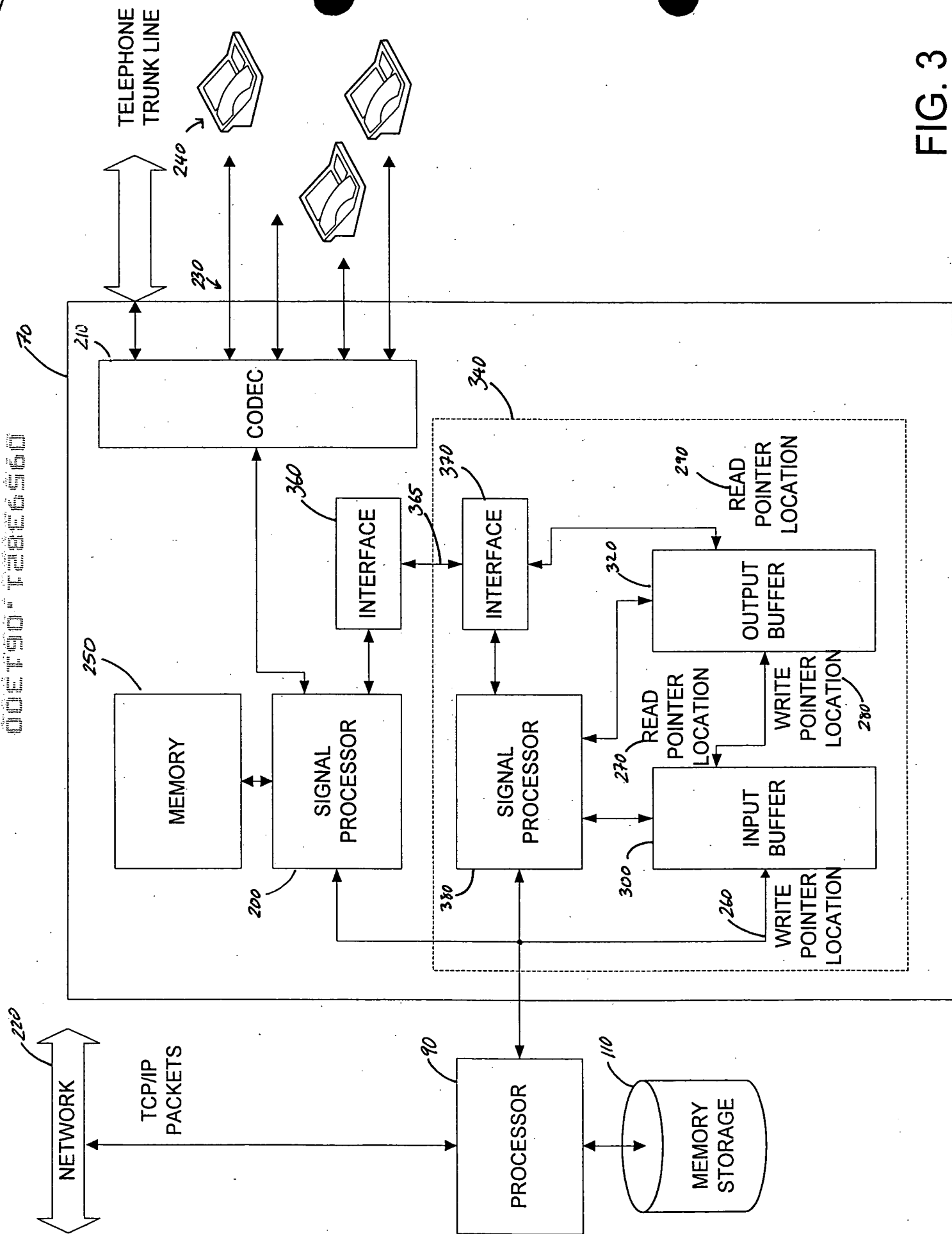


FIG. 1



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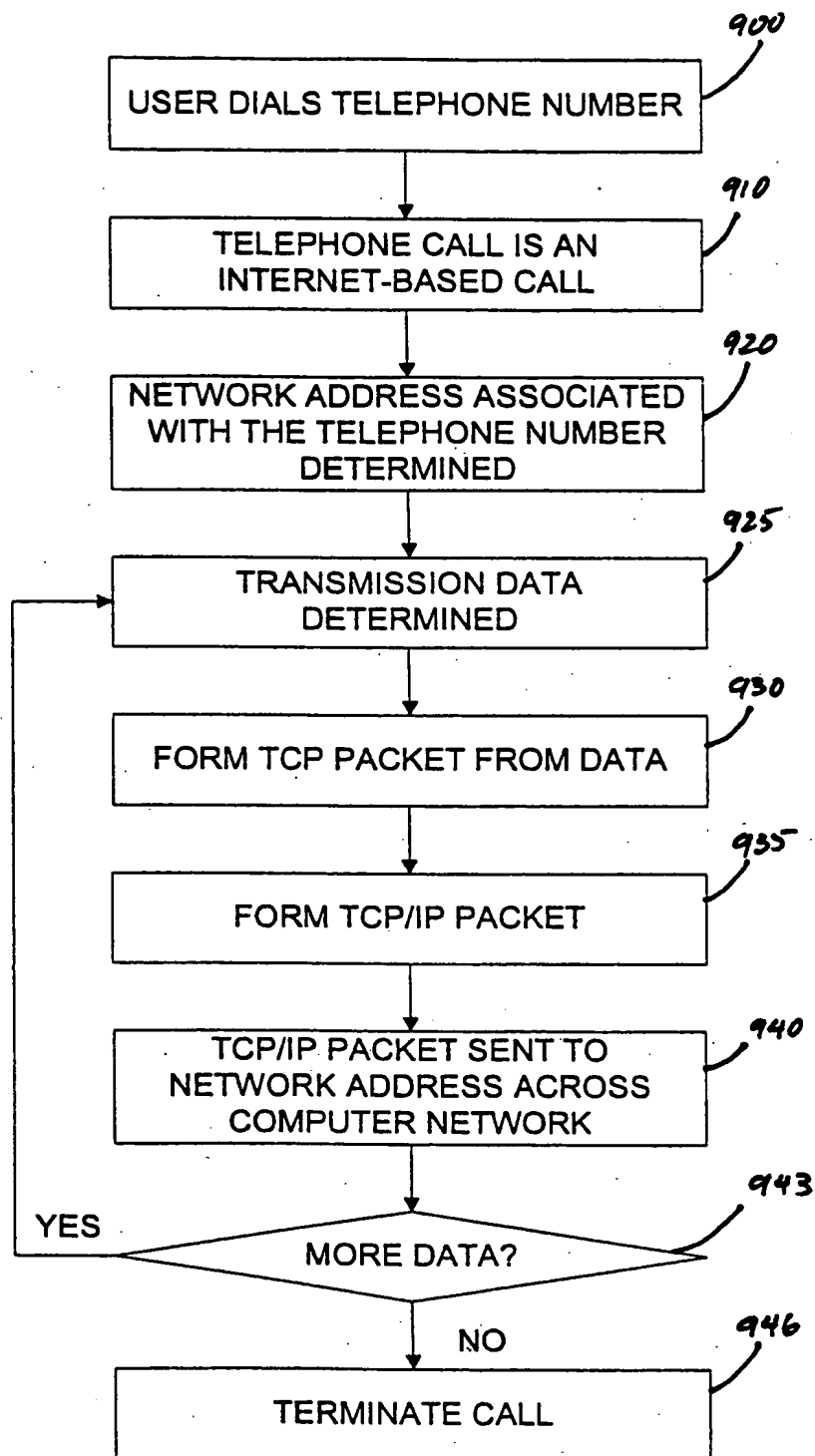


FIG. 4A

```

graph TD
    950[TCP/IP PACKET RECEIVED] --> 960[STRIP IP HEADER]
    960 --> 400[RECOVER A TCP PACKET]
    400 --> 410[STORE THE TCP PACKET FROM INTO THE INPUT BUFFER AND THE WRITE POINTER LOCATION]
    410 --> 420[INCREMENT WRITE POINTER]
    420 --> 440{INPUT BUFFER FULL?}
    440 -- NO --> 950
    440 -- YES --> 450{DATA STORED IN INPUT BUFFER?}
    450 -- NO --> 440
    450 -- YES --> 460[RETRIEVE TCP PACKET STORED AT READ POINTER LOCATION]
    460 --> 470{TCP PACKET START OF STRING?}
    470 -- YES --> A((A))
    470 -- NO --> 480[INCREMENT READ POINTER]
    480 --> 450

```

FIG. 4B

0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2
3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3
4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4
5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5
6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6 6
7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7 7
8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8 8
9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9

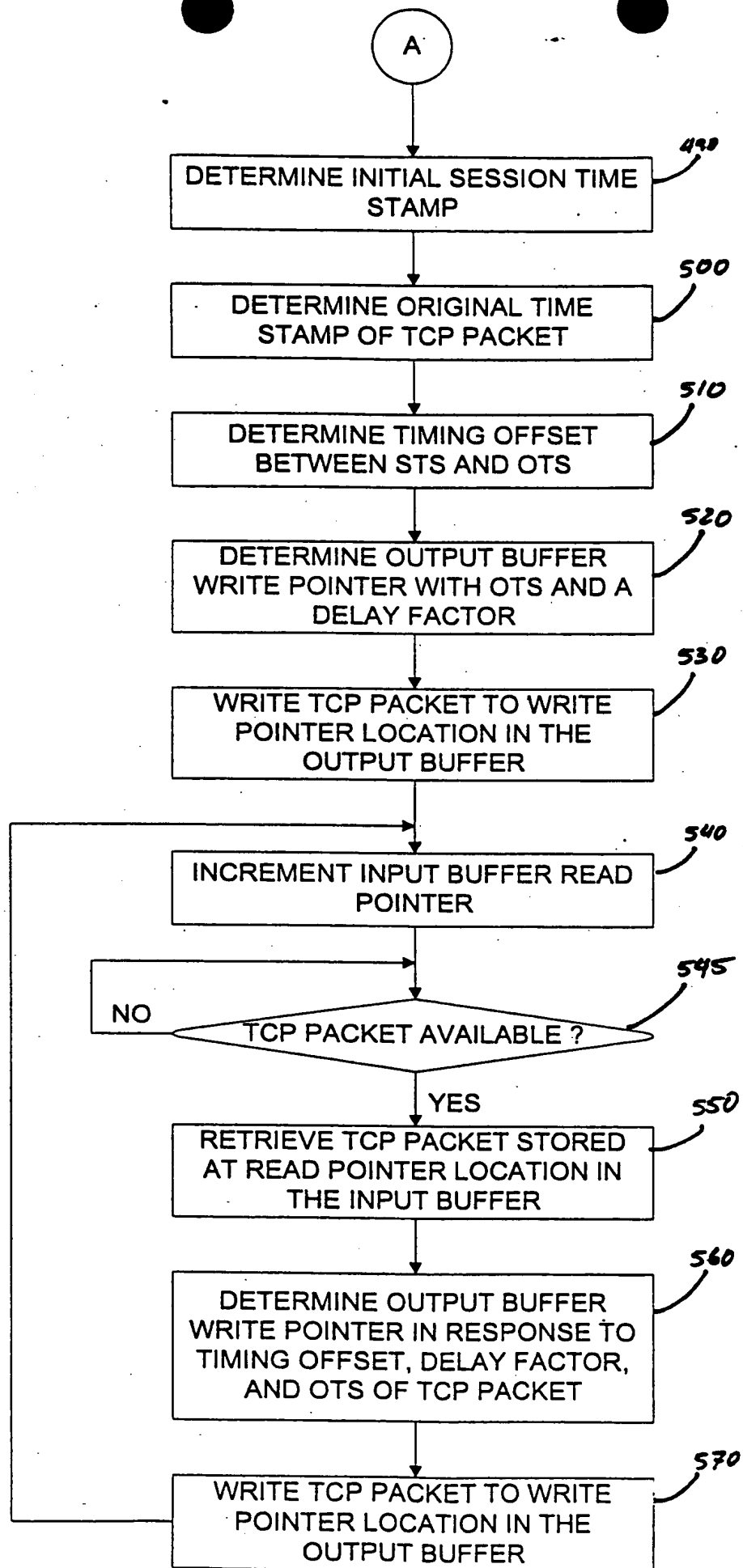


FIG. 4C

```
graph TD; 590[OUTPUT BUFFER READ POINTER SET TO CURRENT SESSION TIME STAMP] --> 600[TCP PACKET STORED AT THE READ POINTER LOCATION IN THE OUTPUT BUFFER RETRIEVED]; 600 --> 610[OUTPUT DATA FROM THE TCP PACKET IN REAL TIME]; 610 --> 615[INCREMENT OUTPUT BUFFER READ POINTER]; 615 --> 620{DATA AVAILABLE?}; 620 -- YES --> 600; 620 -- No --> Exit[ ];
```

590 OUTPUT BUFFER READ POINTER SET TO CURRENT SESSION TIME STAMP

600 TCP PACKET STORED AT THE READ POINTER LOCATION IN THE OUTPUT BUFFER RETRIEVED

610 OUTPUT DATA FROM THE TCP PACKET IN REAL TIME

615 INCREMENT OUTPUT BUFFER READ POINTER

620 DATA AVAILABLE ?

YES

No

FIG. 4D

00593821 061300

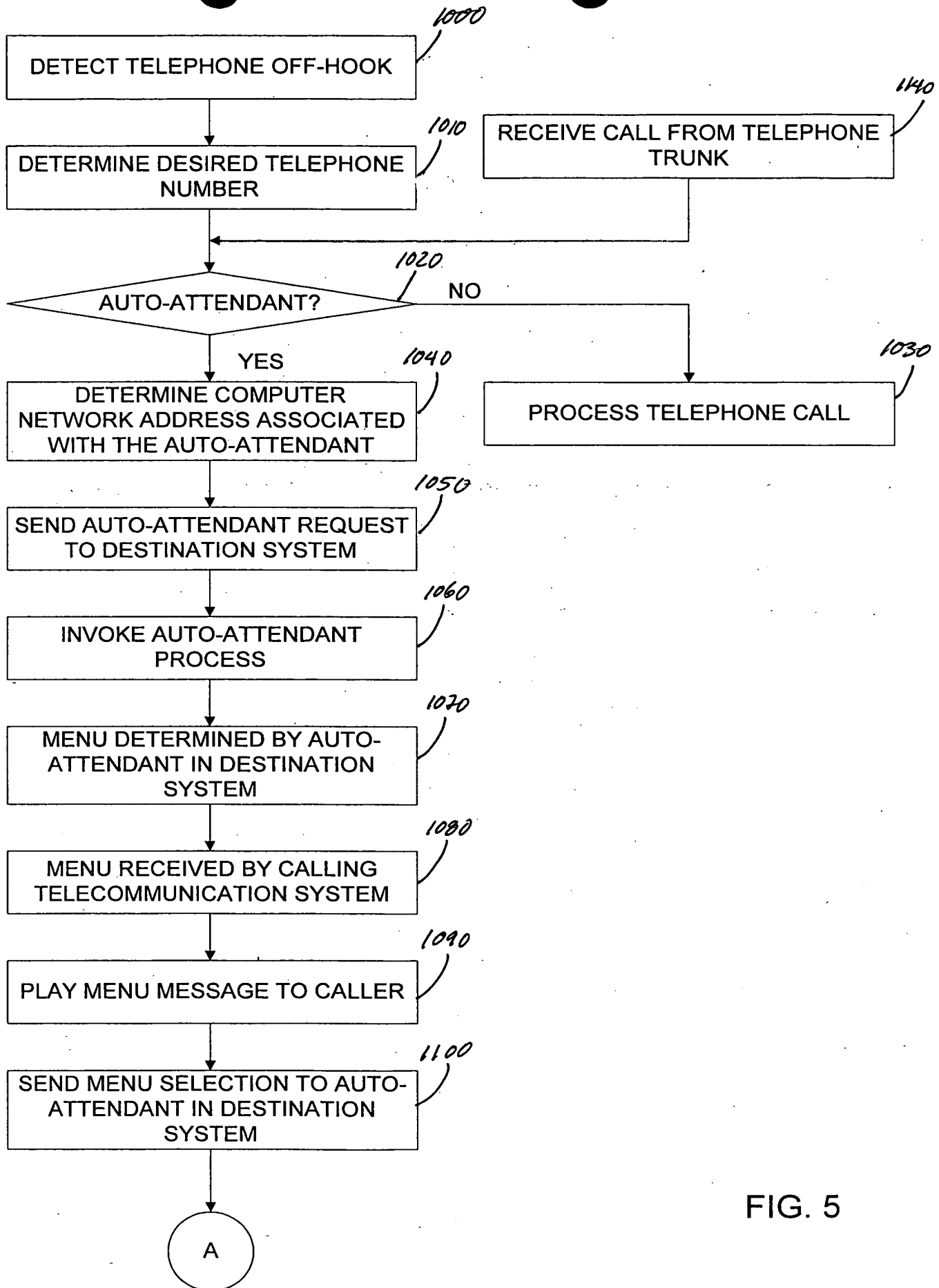


FIG. 5

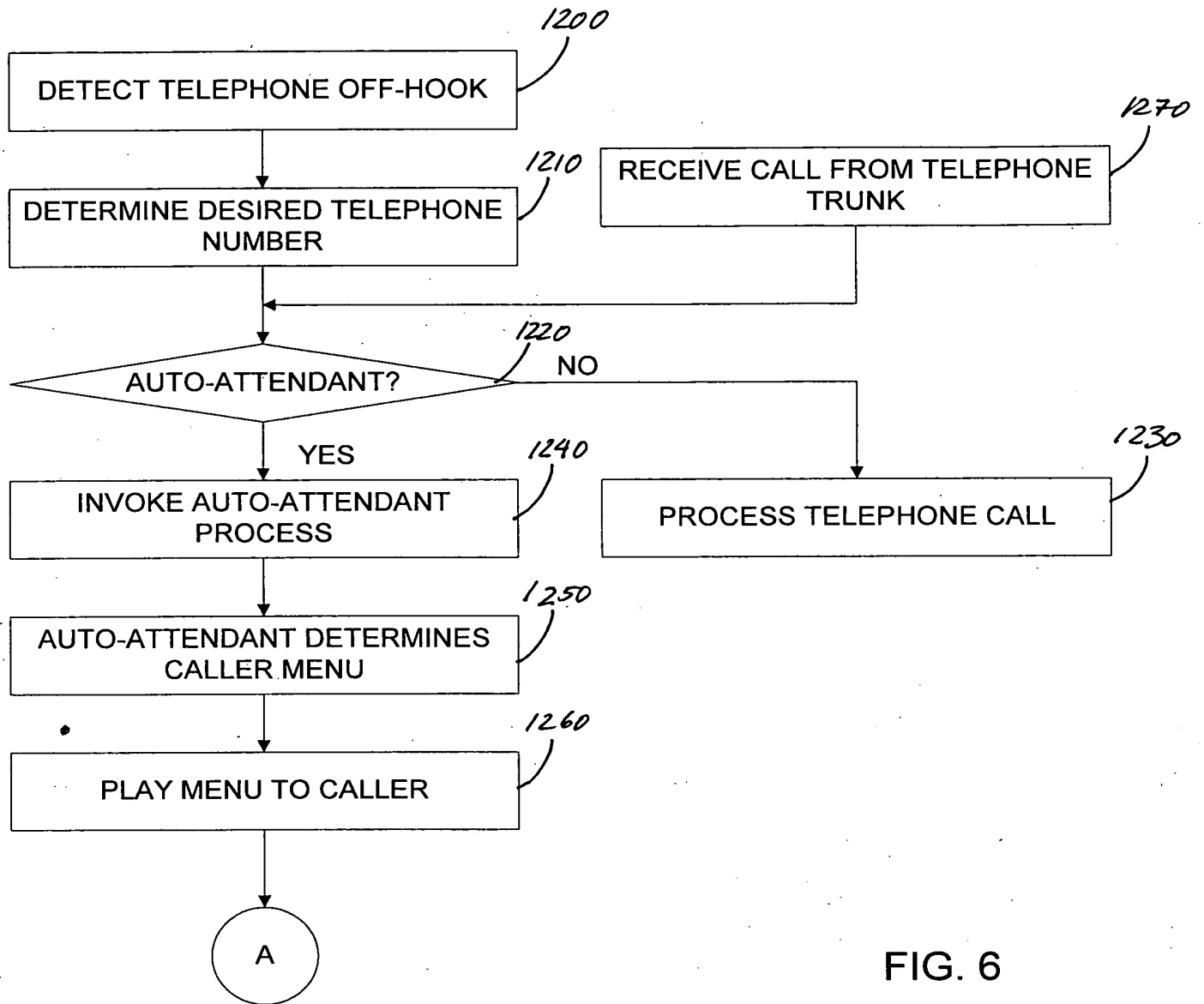


FIG. 6

```

graph TD
    A((A)) --> D1{DIAL BY NAME  
SELECTION?}
    D1 -- YES --> P1[AUTO-ATTENDANT ENTERS DIAL  
BY NAME MENU]
    D1 -- NO --> D2{DIAL EXTENSION  
SELECTION?}
    D2 -- YES --> P2[AUTO-ATTENDANT ENTERS  
EXTENSION MENU]
    D2 -- NO --> D3{DIRECTORY LISTING  
SELECTION?}
    D3 -- YES --> P3[AUTO-ATTENDANT ENTERS  
DIRECTORY MENU]
    D3 -- NO --> D4{SYSTEM CALL-BACK  
SELECTION?}
    D4 -- YES --> P4[AUTO-ATTENDANT ENTERS CALL-  
BACK SELECTION MENU]
    D4 -- NO --> Dots[...]
    Dots --> D5{TIME-OUT?}
    D5 -- YES --> P5[PROCESS TIME-OUT CONDITION]
    D5 -- NO --> A
  
```

FIG. 7